

Approved
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ABSTRACT OF THE DISCLOSURE

~~In order to improve selectivity~~Selectivity Q of a tuning circuit is maximized by using a negative resistance circuit ~~which that~~ is hard to be not influenced significantly by means ~~of change of use condition~~changes in conditions such as temperature, source voltage, etc. ~~The tuning circuit operates stably and has simply circuit construction, the tuning circuit~~ is constituted by a series resonance circuit and ~~at the~~ negative resistance circuit connected thereto.

— The negative resistance circuit is constituted by ~~can be~~ a C-E dividing type circuit comprising of including a npn transistor as a first stage circuit and an emitter earth type amplifying circuit ~~comprising of including~~ a pnp transistor as a second stage circuit ~~a~~. A collector output of the pnp transistor is connected to an emitter of the npn transistor to constitute a negative feedback circuit and ~~said the~~ collector output is divided and connected to a base of the npn transistor to constitute a positive feedback circuit.

— Selectivity Q is improved by the negative resistance circuit provided by the negative feedback circuit.